

PC series Standard Products

Features

- ◆ Low ESR at high frequency range.
- ◆ Large permissible ripple current.



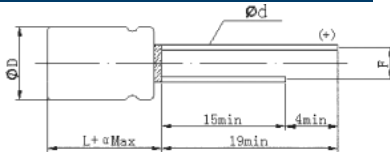
Specifications

Item	Performance Characteristics	
Operating Temperature Range	-55°C~+105°C	
Rated Voltage Range	2.5~25 VDC	
Capacitance Range	39 to 3500μF	
Capacitance Tolerance	±20%(120Hz,+20°C)	
Leakage Current (+20°C,max.)	Not to exceed the values shown in Standard Ratings (Rated voltage applied, after 2 minutes at 20°C)	
Dissipation Factor (tanδ,at 20°C,120Hz)	Not to exceed the values shown in Standard Ratings	
ESR (at 100KHz , 20°C)	Not to exceed the values shown in Standard Ratings	
Endurance 105°C,2000h , at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored at 60°C,RH90~95% , 1000h	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1

Diagram of Dimensions:(unit:mm)



φDxL	φD+0.5	α	F±0.5	φd±0.05
5x8	6.3	1.0	2.5	0.6
6.3x8	6.3	1.5	2.5	0.6
8x8	8.0	1.0	3.5	0.6
8x11.5	8.0	1.5	3.5	0.6
10x12.5	10.0	1.5	5.0	0.6

PC series

Standard Ratings

W.V. (V)	Cap(μF)	Size φDxL(mm)	L.C. (μA,2min)	tgδ (120Hz,20°C)	ESR (m Ω,100KHz)	Maximum Permissible Ripple Current(mA,r.m.s)
2.5	560	6.3x8	280	0.08	12	5100
	680	6.3x8	340	0.08	12	5200
	820	6.3x8	410	0.08	12	5200
	1000	6.3x8	500	0.08	12	5500
	2200	8x11.5	1100	0.08	12	5900
	3300	10x12.5	1700	0.08	12	5900
6.3	220	5x8	277.2	0.07	21	5100
	270	5x8	340.2	0.07	21	5100
	330	6.3x8	415.8	0.07	15	5100
	470	6.3x8	592.2	0.08	12	5100
	560	6.3x8	705.6	0.08	12	5100
	680	6.3x8	856.8	0.08	10	5100
	820	8x8	1033.0	0.10	12	5100
	1000	8x8	1260	0.10	12	5100
	2200	10x12.5	1386	0.10	12	5900
	3300	10x12.5	1575	0.10	12	6100
10	220	6.3x8	440	0.08	15	5100
	270	6.3x8	540	0.08	15	5100
	330	6.3x8	660	0.08	12	5100
	470	8x8	940	0.08	12	5500
	560	8x8	1220	0.08	12	5500
	680	8x8	1360	0.10	12	5500
	820	8x11.5	1640	0.10	12	5900

Ripple Current(mA,rms)at 105°C,100KHz

PC series

Standard Ratings						
W.V. (V)	Cap(μF)	Size φDxL(mm)	L.C. (μA,2min)	tgδ (120Hz,20°C)	ESR (mΩ),100KHz)	Maximum Permissible Ripple Current(mA,r.m.s)
10	1000	8x11.5	1640	0.10	12	5900
	1500	10x12.5	1640	0.10	12	5900
16	100	6.3x8	320	0.08	12	4800
	220	6.3x8	700	0.08	15	4500
	270	6.3x8	860	0.08	12	4500
	330	8x8	1000	0.08	12	4500
	470	8x8	1400	0.10	16	4500
		8x11.5	1500	0.10	12	5000
	560	8x8	1700	0.12	16	4500
		8x11.5	1700	0.10	12	5000
		10x12.5	1700	0.10	12	5500
	680	8x11.5	1800	0.12	14	5000
		10x12.5	1800	0.10	12	5500
	1000	10x12.5	1800	0.10	12	5500
25	47	6.3x8	235	0.08	25	3500
	100	6.3x8	500	0.08	20	3900
	220	8x8	1100	0.08	20	3900
		8x11.5	1100	0.08	20	4200
	270	8x11.5	1350	0.08	18	4400
	330	8x11.5	1650	0.08	18	4400
	470	10x12.5	2350	0.08	20	4500
	560	10x12.5	2800	0.10	20	4500
	680	10x12.5	3400	0.12	20	4500
	820	10x12.5	2050	0.12	20	4500

Ripple Current(mA,rms)at 105°C,100KHz